

DART SERVICE INSTRUCTION

TO AMEND INSTALLATION INSTRUCTIONS IIN-D119-646 REV. B AND
INSTRUCTIONS FOR CONTINUED AIRWORTHINESS ICA-D119-646 REV. 1

REF. FAA STC: SR02024SE

REF. EASA STC: 10040294

REF. TCCA STC: LOA P-09-0407-RDIMS-5400317

1.0 PURPOSE:

The purpose of this Dart Service Instruction is to update the weight & balance of the D119-646-211/-212/-213/-214 Skidtube Installations at CHG 002 and later that were affected by modifications to the D3849-041/-043/-045/-047 Wearplate Assemblies.

2.0 WEIGHT AND BALANCE

2.1 Standard Skidtubes on A119

Installation	Weight	LONGITUDINAL		LATERAL	
		Arm	Moment	Arm	Moment
D119-646-211 Standard Skidtube Installation with Training Wearplates, LH	47.6 lb 21.6 kg	119.1 in 3.03 m	5669 in-lb 65.4 kg-m	-39.4 in -1.00 m	-1875 in-lb -21.6 kg-m
D119-646-212 Standard Skidtube Installation with Training Wearplates, RH	47.6 lb 21.6 kg	119.1 in 3.03 m	5669 in-lb 65.4 kg-m	39.4 in 1.00 m	1875 in-lb 21.6 kg-m

2.2 Standard Skidtubes on AW119MKII

Installation	Weight	LONGITUDINAL		LATERAL	
		Arm	Moment	Arm	Moment
D119-646-211 Standard Skidtube Installation with Training Wearplates, LH	47.6 lb 21.6 kg	119.1 in 3.03 m	5669 in-lb 65.4 kg-m	-41.3 in -1.05 m	-1966 in-lb -22.3 kg-m
D119-646-212 Standard Skidtube Installation with Training Wearplates, RH	47.6 lb 21.6 kg	119.1 in 3.03 m	5669 in-lb 65.4 kg-m	41.3 in 1.05 m	-1966 in-lb -22.3 kg-m

2.3 Float Skidtubes on A119

Installation	Weight	LONGITUDINAL		LATERAL	
		Arm	Moment	Arm	Moment
D119-646-213 Float Skidtube Installation with Training Wearplates, LH	58.7 lb 26.6 kg	139.1 in 3.53 m	8165 in-lb 93.9 kg-m	-39.4 in -1.00 m	-2313 in-lb -26.6 kg-m
D119-646-214 Float Skidtube Installation with Training Wearplates, RH	58.7 lb 26.6 kg	139.1 in 3.53 m	8165 in-lb 93.9 kg-m	39.4 in 1.00 m	2313 in-lb 26.6 kg-m

2.4 Float Skidtubes on AW119MKII

Installation	Weight	LONGITUDINAL		LATERAL	
		Arm	Moment	Arm	Moment
D119-646-213 Float Skidtube Installation with Training Wearplates, LH	58.7 lb 26.6 kg	139.1 in 3.53 m	8165 in-lb 93.9 kg-m	-41.3 in -1.05 m	-2424 in-lb -27.9 kg-m
D119-646-214 Float Skidtube Installation with Training Wearplates, RH	58.7 lb 26.6 kg	139.1 in 3.53 m	8165 in-lb 93.9 kg-m	41.3 in 1.05 m	2424 in-lb 27.9 kg-m

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APPROVED	TH	TITLE	SCALE
DE APPR.	TH	WEARPLATE WEIGHT CHANGES	
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